From: Snyder, Erik [snyder.erik@epa.gov]
Sent: 9/24/2018 4:15:36 PM
To: Ron Thomas [Ron.Thomas@tceq.texas.gov]
CC: stephanie.shirley@tceq.texas.gov; Zarena Post [zarena.post@tceq.texas.gov]; Huser, Jennifer [Huser.Jennifer@epa.gov]; Imhoff, Robert [imhoff.robert@epa.gov]; Feldman, Michael [Feldman.Michael@epa.gov]
Subject: RE: TCEQ RH Modeling Plan

Hi Ron,

Thanks for the outline. I was wanting to set up a discussion time with myself, Bob Imhoff (modeler), Jennifer Huser (TX RH staff), and Michael Feldman on our end. They are traveling to Austin this week for the hearing so was looking at setting up some time later this week or early next week if that works for your folks. Figure 30-45 mins for length. Potential time ranges available are Friday (9/28) 9-3 is open, and Thursday (10/4) 1-3. Let me know what times works best or if we need to look at later dates.

Thanks,
Erik

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From: Ron Thomas [mailto:Ron.Thomas@tceq.texas.gov]
Sent: Thursday, September 20, 2018 4:49 PM
To: Snyder, Erik <snyder.erik@epa.gov>
Cc: stephanie.shirley@tceq.texas.gov; Zarena Post <zarena.post@tceq.texas.gov>
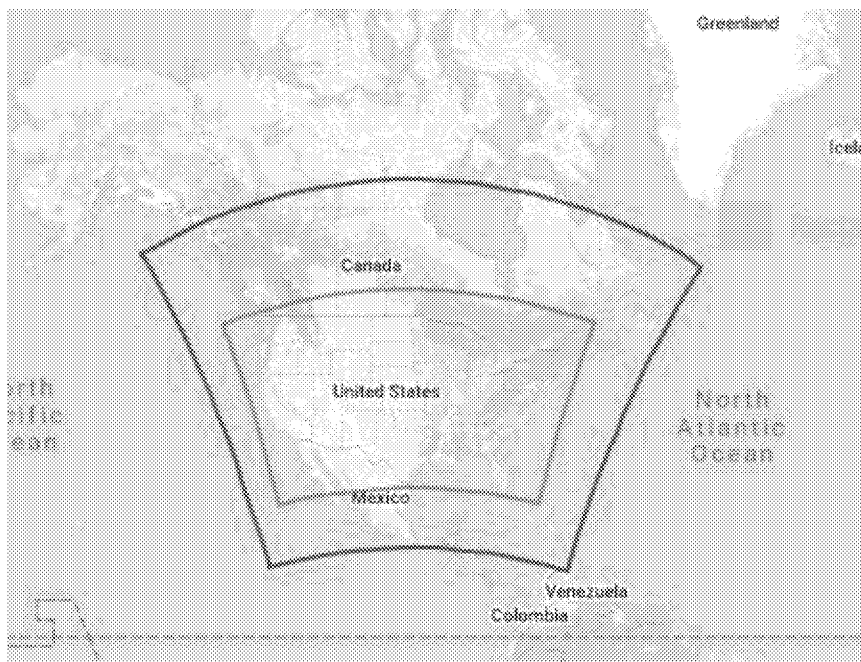**Subject:** TCEQ RH Modeling Plan

Erik,
Word has gotten back to me that you are interested in knowing what our modeling plan looks like.
In general, it's the usual:
1. Domain definition and episode selection
2. Met development
3. EI development (base case and future case)
4. CAMx testing
5. PSAT testing
6. MPE against IMPROVE monitors
7. More CAMx and PSAT runs
8. RRF for each PM component
9. Visibility impacts (extinction values by component) and culpability analyses
10. CAMx results with all reasonable progress control measures
11. Sensitivity testing
12. Glideslope development

For #1, our CAMx domain looks like:

And the episode selected is the same as EPA's (all of 2016).'

For #2, the met is being developed at 12km resolution on the larger North America domain, and will be aggregated up to 36km grid cells between the CONUS and the North America grids for the CAMx runs.

Let me know when you want to chat,
-Ron